

# Apollo

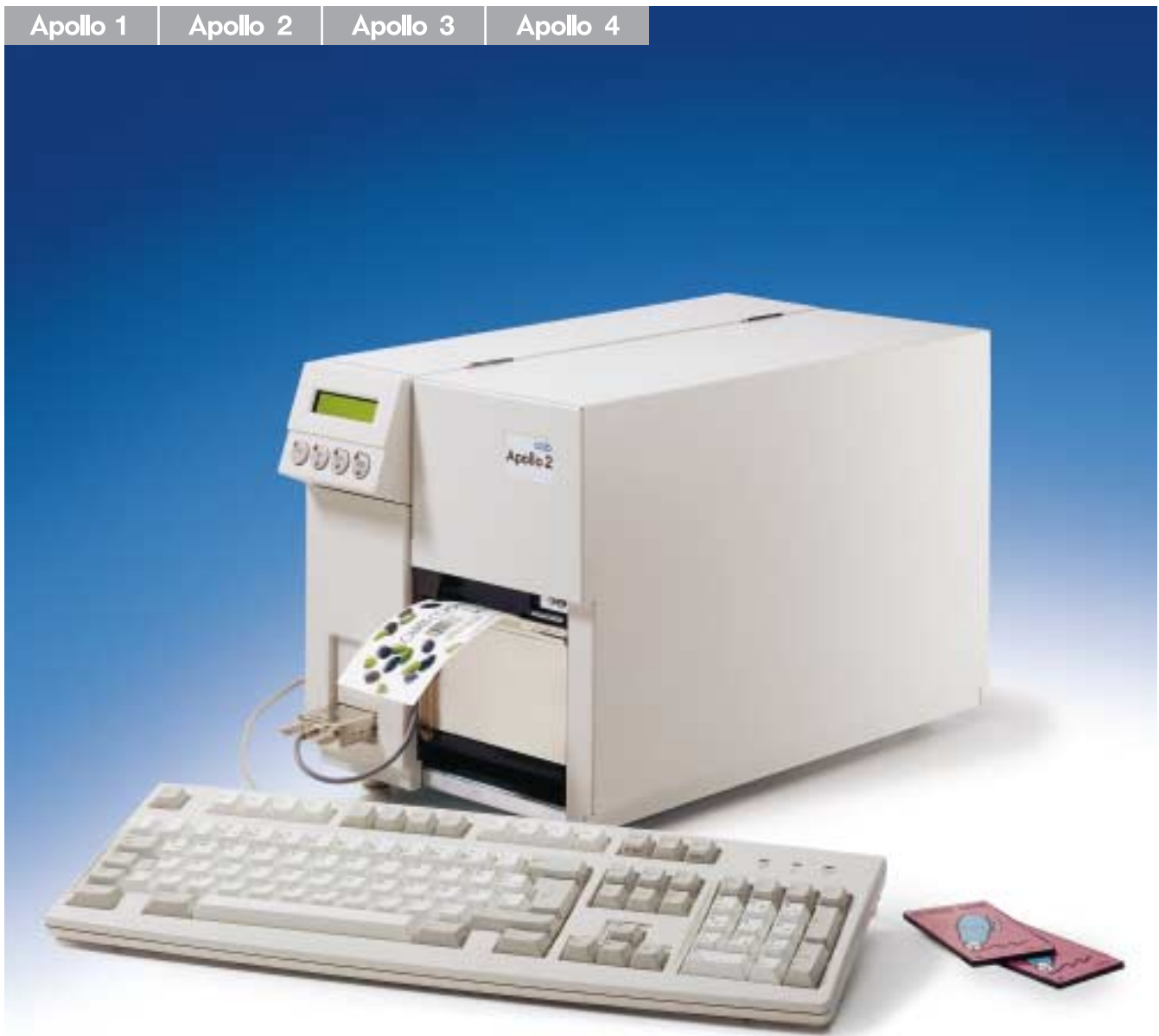
Transfer Printer

The Complete Programme



Edition 4

Apollo 1 | Apollo 2 | Apollo 3 | Apollo 4



Advance development brings forth leaders.  
Apollo leads the field.



For more than 10 years cab has been the specialist for label printing systems in Europe and works successfully on the development of new products. With the Apollo family of machines we can offer a complete programme of label printers with outstanding technology for all areas of label printing and article identification.

The high quality Apollo transfer printers provide character fonts, bar codes and graphics with precise definition, in the highest print quality. Apollo printers are the ideal solution for your exacting label requirements. You can start with the basic machine. A cutter, rewinder or applicator can be added at a later stage as required.

### Performance Features Apollo

- 32 Bit processor with 2 MB RAM
- Serial data transfer up to 57,600 Baud or parallel Centronics interface
- LCD display to keep you informed on the current printer status



- Stand-alone operation with PC card and PC keyboard or scanner
- All machines support Windows 95 and can print East European characters.
- Comprehensive range of accessories: present sensor, cutter and external rewinder can be fitted at a later stage.
- The print head can be moved up for easy cleaning. This increases service life and ensures a constant print quality.
- All settings are made via the four control keys.
- The modular design of the complete Apollo family ensures fast and economical servicing.

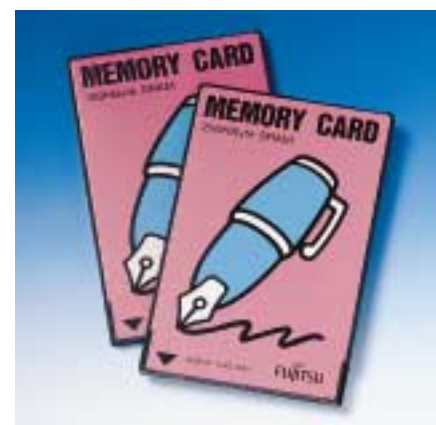
### Data Input with PC Keyboard or Scanner only

You don't need a PC to transfer data to the printer. Plug a scanner or PC keyboard via the cab keyboard adapter into the serial interface of Apollo. Just scan or type data on the keyboard

and the result is shown in the LCD display of the printer. Or recall stored labels from the PC card into the printer and just print the label out.

### PC Card (PCMCIA)

With the PC cards from 512 KB up to 16 MB the machines can be used as stand-alone printers. The data are saved on the PC card and can be recalled at any time.





Apollo 1



Apollo 2



Apollo 3



Apollo 4



### Practical Cutter

The cutter is easy to fit without any tools. Labels or endless material of up to 180 g/m<sup>2</sup> can be cut off individually, in groups or at the end of the printing job.

### Powerful Rewinder

Fitted with a powerful winder motor, media rolls of up to 200 mm external diameter can be rewound with the labels facing inwards or outwards as required.

### Easylabel and Windows Driver

With Easylabel or the Windows driver you can create your labels quickly and easily. Ask for a leaflet and the demo software to see the powerful options of this program.



## Printing all Bar Codes



The Apollo family of label printers precisely print all usual bar codes including two-dimensional codes such as UPS Maxicode.



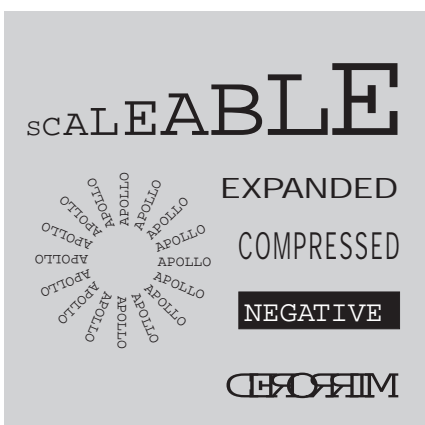
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## Quality becomes visible with clearly defined labels

Optimal label design is only possible when the printed characters can be formed at will. Whether inverted, oblique, rotated to any desired angle, circular or mirrored; vector fonts cater for every requirement.

Due to the use of Windows™ True Type fonts, all printers in the Apollo family offer an almost limitless choice of characters.



## Printing and Labelling in one Process

The Apollo 1 makes automatic labelling affordable for every place of work. Both very small as well as larger labels can be quickly and economically applied.

- Computer controlled, the labels which can each have individual information shown, are printed, dispensed and applied – fast and exact.
- The goods to be labelled can be fed either by hand or automatically. Apollo adapts to your requirements.



Consult our product specialist to solve your labelling tasks.

## Labels to your Requirements

We can supply many different standard label sizes, and also produce label stock according to your requirements in a wide range of differing materials.



## Periphery Part No.

Label dispense functions:

Present sensor 5534375  
Following removal of a label the next one is printed.

Dispense adapter manual 5533267  
Following actuation of the key the next label is printed.

Dispense adapter automatic 5533265  
Input 1/2: start label printing/label removed  
Output 1/2: label printed/printer error  
All inputs and outputs with conductive decoupling.

Cutter 5560433

For labels and endless material up to 180 g/m<sup>2</sup>

External rewinder 5560465

Core diameter 40/76 mm

Roll diameter up to 200 mm

Labels wound facing inwards or outwards.

Stamp applicator on request

## Accessories Part No.

PC keyboard adapter 5533900

For direct connection of a PC keyboard

PC card

PCMCIA 512 KB 5560493

PCMCIA 2 MB 5560406

PCMCIA 4 MB 5560405

PCMCIA 8, 16 MB on request

Twinax/Coax converter 5551279

Connection cables for interfaces

Serial/serial 25 poles 5550806

Serial/serial 9 poles 5550807

Parallel/parallel 5550771

## Label software Part No.

Easylab 5580100

Easylab Express 5580015

Apollo Windows driver 5580132

## Consumption material

Labels on request

Transfer ribbon on request

## Transfer Ribbons in all Widths

To ensure a high quality of print, both label stock and transfer ribbons have been developed to be fully compatible. We offer eight different standard widths in five different qualities.





		Apollo 1		Apollo 2		Apollo 3				Apollo 4	
Typ		300RS	300R	300	300R	300	200R	200	300	200	
Print resolution	dpi	300	300	300	300	300	200	200	300	200	
Internal rewinder	R	●	●		●		●				
Ribbon saver	S	●									
Present sensor		○	○		○		○				
Dispense adapter		○	○		○		○				
Cutter		○	○	○	○	○	○	○	●	●	
External rewinder		○	○	○	○	○	○	○	○	○	
PC card		○	○	○	○	○	○	○	○	○	
PC keyboard adapter		○	○	○	○	○	○	○	○	○	
Windows driver		○	○	○	○	○	○	○	○	○	
Stamp applicator		○									
Print speed	mm/sec	200	200	200	85	85	125	125	85	125	
Label width	mm	116	116	116	116	116	116	116	116	116	
Print width	mm	108	108	108	106	106	104	104	106	104	
Roll Ø labels up to	mm	200	200	230	200	230	200	230	200	200	
Part No.		5536400	5534900	5534700	5533600	5533650	5534800	5534600	5536720	5536701	
Label sensor		Distance to material edge: adjustable 3 - 48 mm							fixed 20 mm		

○ = Optional  
● = Standard  
○ = On request

Method of printing Thermal/thermal transfer  
Print head Thin-film transfer head

Character fonts  
5 Bitmap fonts including OCR-A, OCR-B,  
2 Vector fonts available internally,  
loadable Speedo and True Type fonts.

Character sets  
Windows 1250/1252, IBM Codepage 850/852,  
EBCDIC, ISO 8859-1, ISO 8859-8, Macintosh.  
All West and East European, latin characters  
are supported.

Character sizes  
Vector fonts: width and height 0,9 - 128 mm,  
infinitely variable  
Bitmap fonts: width and height 1 - 3 mm, vari-  
able in steps up to a factor of 10

Font formats  
Bold, italic, underlined, outline, negative,  
grey (in all cases dependent upon the  
character font).

Print direction  
Bitmap fonts and bar codes: 0°, 90°, 180°, 270°.  
Speedo fonts and True Type fonts:  
any direction of rotation, circular text,  
mirrored label image.

Graphic elements  
Line, box, circle, ellipse, filled segments, arrow.

Graphic format  
PCX, IMG, BMP, TIF, GIF, MAC

Bar codes  
CODE 39, CODE 93 Interleaved 2/5  
CODE 128 A, B, C German Post Office AG  
Codabar Identity and Lead Code  
Data Matrix\* Jan 8, 13  
EAN 8, 13, 128 MSI  
EAN/UCC 128 PDF 417  
EAN/UPC Appendix 2 Plessey  
EAN/UPC Appendix 5 Postnet  
FIM UPC A, E  
HIBC UPS Maxicode

\* in preparation

Bar codes variable in height, module width,  
and ratio. As required with test code,  
printed characters and start/stop code.

Processor 32 Bit, Motorola  
RAM 2 MBytes

PCMCIA slot  
for PC card 512 KB, 2, 4, 16 MB

Interfaces  
Serial: RS-232 C 1,200 - 57,600 Baud  
RS-422 1,200 - 57,600 Baud  
RS-485 1,200 - 57,600 Baud

Parallel: Centronics  
External connector  
Connector for cutter, present sensor and  
stamp applicator.

Test facilities  
System diagnosis upon switching ON,  
Self-test with print-out of system data.

Label and endless material  
Thermal paper, standard paper  
Plastic foil: PE, PP, PVC, Polyamide  
Adhesive labels/weight 60 - 160 g/m<sup>2</sup>  
Cardboard/weight up to 180 g/m<sup>2</sup>  
Width of material passage up to 118 mm  
Label width 12 - 116 mm  
Label height 5 - 546 mm  
Core diameter 40 mm  
Roll diameter up to 200 mm  
Labels wound facing inwards or outwards

Transfer ribbon  
Length 360 m  
Width up to 114 mm  
Core diameter 25 mm  
Coated side facing inwards or outwards

Ribbon saver for Apollo 1  
Automatically engages from 12 mm unprinted  
label length. The print head is lifted during  
the material feed and the transfer ribbon  
feed stopped.

Label backfeed  
To ensure that each new printing job always  
starts at the top edge; when the label is  
removed in present mode, or after cutting,  
the label stock is slightly withdrawn.  
To avoid the transfer ribbon rubbing on the  
surface of a sensitive material, the print  
head of the Apollo 1 is lifted during the label  
backfeed.

Internal rewinder  
To rewind the backing strip following printing  
in presenta mode.

Core diameter 40 mm  
Roll diameter up to 145 mm

System checks  
Stop of printing and indication in the LCD  
display if:  
end of transfer ribbon  
end of labels/endless material  
Apollo 1 print head moved up

Label sensor  
For horizontal print positioning  
See-through sensor for Apollo 1, 2, 3, 4  
for labels on carrier ribbons or cutouts in  
case of endless material  
Reflective sensor from below for Apollo 1, 2, 3  
for printed marks on the back of endless  
material or translucent labels on carrier  
ribbon  
Reflective sensor from above for Apollo 1, 2  
for printed marks on the front side of  
endless material

Other features  
Real-time clock for print-out of date and time,  
displays No. of labels still to be printed.

Control panel  
4 control keys with LED's,  
illuminated LCD, 2x16 characters,  
status reports available in 6 languages.

Dimensions  
height x width x depth  
Apollo 1, 2, 3 280 x 250 x 458 mm  
Apollo 4 280 x 250 x 400 mm

Weight  
Apollo 1: 16,5 kg  
Apollo 2: 15 kg  
Apollo 3: 13 kg  
Apollo 4: 11 kg

Supply voltage  
230V~ /115V~ switchable/50 - 60 Hz

Temperature range  
Operational 10 - 35° C, Humidity 10 - 85 %

The machines comply with the safety and  
health regulations of the EC Directive (an EC  
Declaration of Conformity is enclosed with  
the machine).

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